

Sixtieth Annual Meeting of the Soil Science Society of North Carolina

“to increase and disseminate knowledge of soils of the
State and their uses”

Tuesday Morning, January 17, 2017

- 7:30 Room 1CD: Poster and Exhibit Setup
- 8:00 Meeting Registration Opens in Lobby
- 8:00 Room 1CD: Soil Texture Contest
- Conducted by Nick Howell
- 8:00 - 9:00 Room 4
Consulting Soil Scientists of the Carolinas
Annual Meeting
- CSSC President, Presiding

OPENING SESSION:

- 8:30 - 9:40 Room 1CD: Exhibits, Vendors and
Posters

DIVISIONAL MEETINGS:

- 9:00 - 9:10 Room 1A: Bus., Consulting and Industry
Room 4: Governmental Agencies
- 9:15 - 9:25 Room 1A: Public Health
Room 4: Academic and Research
- 9:30 - 9:40 BREAK - Room 1CD: Exhibits,
Vendors and View Posters
- 9:40 - 11:00 **SOCIETY BUSINESS MEETING**
Room 1A
President Jeff Vaughan, Presiding
- 11:00 - 12:00 **KEYNOTE SPEAKER – Room 1A**
C. Wayne Honeycutt, Ph.D. President
and CEO, the *Soil Health Institute*

- 12:00 Room 2C: **LUNCHEON**

Tuesday Afternoon, January 17, 2017

Session 1: SOIL FERTILITY AND SOIL HEALTH Room 1A

- 1:15 *Adapt-N and Soil Organic Measurements: It
matters.* Deanna Osmond., S. Rajkovich, and R.
Austin. Crop and Soil Sciences, NC State
University.
- 1:40 *Biologically Based Nitrogen Fertilizer
Recommendations* Alan Franzluebbbers ,
USDA-ARS, Crop and Soil Sciences, NC State
University.
- 2:05 *Comparing long-term changes in soil
properties of different tillage systems with cover
crops in Southeastern Soils.* Wayne Roper, Crop
and Soil Sciences, NC State University.
- 2:30 BREAK
- 3:00 *Soil Organic Fractions Under Multiple-species
Cover Crops in North Carolina.* Katie Pritchett
and Alan Franzluebbbers Crop and Soil Sciences,
NC State Univ.
- 3:25 *Biomass production and nutrient removal by
potential biofuel grasses grown on sprayfields.*
Carl R. Crozier, T. Jot Smyth, A. Heitman, Z.
Wang, M.S. Castillo. Crop and Soil Sciences, NC
State University.
- 3:50 *Yield of bioenergy grasses as influenced by
nitrogen fertilization in the North Carolina
Coastal Plain region.* T. Jot Smyth, Carl R.
Crozier, Z. Wang, A. Heitman and M.S.
Castillo. Crop and Soil Sciences, NC State
University.
- 5:00 **SOCIAL HOUR and POSTER SESSION**
With Authors Present – Room 1CD

Tuesday Afternoon, January 17, 2017

Session 2: ONSITE WASTEWATER RULES AND SOIL EVALUATION Room 4

- 1:15 *1900 Rules Revision Update.* Tricia Angoli,
PE, NC Department of Health and Human
Services
- 1:40 *Innovative Approval for Offsite Systems.* Heath
Ward, REHS, Guilford County Environmental
Health
- 2:30 BREAK
- 3:00 *Considerations for Non – Residential Flows*
Kevin Davidson, PE, AWT
- 3:50 *Mitigating Environmental Effects of Leaking
Underground Tanks.* Jeff Vaughan, Agri-
Waste Technology, Inc.
- 4:15 *Engineer Option Permit: An Engineer's
Perspective,* John Thomas, PE, Thomas
Engineering, PA
- 5:00 **SOCIAL HOUR and POSTER SESSION**
With Authors Present – Room 1CD
- ## Wednesday Morning, January 18, 2017
- 7:30 **CONTINENTAL BREAKFAST**
Room 1CD
- ### Session 3: WETLANDS AND STREAMS Room 1A
- 9:00 *Ambient water quality of natural wetlands in
North Carolina and the implications for
monitoring and management .* Jack Kirki-Fox
and Mike Burchell, Dept. of Biological and AG.
Eng. NC State Univ.
- 9:30 *Development of a wetland hydrology
performance standard for compensatory
mitigation in North Carolina.* Mac Haupt,
NCDEQ Stream/Wetland Mitigation Coordinator
- 10:00 BREAK

10:15 *Compaction and Homogenization of Floodplain Soils during Stream Restoration.* Danielle Winter and Francois Birgand. Dept. of Biological and AG. Eng. NC State Univ.

10:45 *North Carolina Department of Environmental Quality, Division of Waste Management GIS Data Resources and Applications.* Dean Grantham, Jr. NCDEQ

11:15 *Changes in the state stormwater program and the new design manual.* Annette Lucus, NCDEQ Stormwater Program.

Wednesday Morning, January 18, 2017

Session 4: Soil Properties and Pedology Room 4

9:00 *Designing Soils for Clients & Dealing with Clients Misconception.* Barrett Kays, Landis PLLC

9:30 *The Hydropedology of Problematic Interfluvial Soils in the Central Piedmont of Virginia.* Erik Severson, Regional Interpretive Soil Scientist at Virginia Tech

10:00 BREAK

10:15 *Nutrient Treatment by Onsite Systems in Clayey Soil.* Charlie Humphreys. Environmental Health Services, East Carolina University.

10:45 *Subaqueous and Coastal Zone Soil Surveys: New Frontiers for the Cooperative Soil Survey Program.* Debbie Anderson and Greg Taylor, Regional Director of Soil Survey and Regional Soil Scientist, USDA-NRCS.

11:15 *Coarse Fragment Distribution and Soil Genesis in Three Fall Zone Carolina Bays.* Dan Bliley

12:00 Room 2C
ANNUAL AWARDS BANQUET
- President Jeff Vaughan, Presiding

- ❖ Hands of the Master Award - Nick Howell
- ❖ Hubert J. Byrd Scholarship
- ❖ Annual Achievement Award
- ❖ Special Recognitions

Wednesday Afternoon, January 18, 2017

Session 5: Soils Education Room 1A

1:15 *Mobile Soils Classroom.* Sandra Weitzel and Rich Hayes

1:40 *Onsite Wastewater Training.* Jonathon Godfrey, Crop and Soil Sciences, NC State University.

2:05 *Soil Science Licensing in NC: Current State and Future Outlook.* Mike Vepraskas Crop and Soil Sciences, NC State University and Larry Baldwin

2:30 BREAK

2:45 *Soil Science Undergraduate Education: Diluting the Rigor.* John Havlin

3:10 *Majors, Minors and Certificates -- Soil Science Education at NC State.* David Crouse, Steve Broome Crop and Soil Sciences, NC State University.

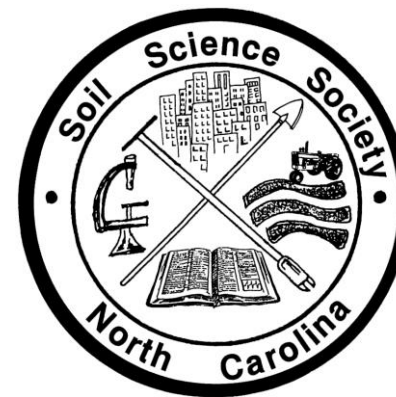
4:00 DISCUSSION

4:30 ADJOURN

Thank you for Attending and
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Soil Science Society OF NORTH CAROLINA



Sixtieth Annual Meeting
DRAFT Program
January 17-18, 2017

Jane S. McKimmon Center
Raleigh, NC

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